

# PROGRAMMABLE LOGIC CONTROLLER BASIC PROGRAMMING

**GMI**  
GERMAN-MALAYSIAN INSTITUTE  
*Training for Advanced Technology*

## COURSE OVERVIEW

This course is designed to provide participants with the fundamental knowledge of PLC to be used in the various industrial applications. Participants would also be exposed practically to the PLC wiring input and output devices wiring and its programming software.

## COURSE OBJECTIVES

At the end of the module, student / participant should be able to:

- Explain the hardware and software elements of PLC.
- Connect the input and output devices to PLC and configure the address.
- Write and test the ladder diagram for any given basic problem description.
- Troubleshoot basic PLC hardware and software problems.

## THE UNIQUENESS OF THIS COURSE

- Hands-on PLC wiring and programming.
- Training is based on industrial applications.
- Instructor with a vast industrial exposure.
- Opportunity to observe the real industry application of PLC.

## WHO SHOULD ATTEND

This course is designed to those who are related to the area of robotics as well as in education line.

Target Group: Engineers, Technicians, Lecturers and Technical Teachers.

## KEY TOPICS

- Introduction
- How PLC works
- Hardware configuration
- Assigning the I/O address
- Writing a PLC program
- Basic logic operations
- Timer functions

## METHODOLOGY

Lectures and Practical Exercises

## COURSE DURATION

3 Days.

## PRE-REQUISITE

No.

## CERTIFICATION

Certificate of attendance will be issued to those who fulfil 80% of attendance.

### For further details, please contact:

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